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(57) Abstract:

PURPOSE: To release the prescription of communication procedures by collating transmission information and return information with each other to check the error of transmission by a transmitter on the transmission side.

CONSTITUTION: A communication equipment 1 on the transmission side not only transmits transmission data to a communication equipment 2 on the reception side through a transmitter 9 and a full duplex communication line 3 but also holds this data in a memory buffer 8. The communication equipment 2 returns transmission data to the communication equipment 1 in case of receiving this data. The communication equipment transfers return data received by a receiver 10 to a return data buffer 12, and this data is collated with transmission data held in the memory buffer 8 by a collator 13, and it is discriminated whether they coincide with each other or not to detect the presence or the absence of error. Thus, the prescription of communication procedures is released since transmission error is checked without a redundant code such as CRC.

